

Date: Wed, 20 Apr 94 04:30:26 PDT
From: Ham-Homebrew Mailing List and Newsgroup <ham-homebrew@ucsd.edu>
Errors-To: Ham-Homebrew-Errors@UCSD.Edu
Reply-To: Ham-Homebrew@UCSD.Edu
Precedence: Bulk
Subject: Ham-Homebrew Digest V94 #105
To: Ham-Homebrew

Ham-Homebrew Digest Wed, 20 Apr 94 Volume 94 : Issue 105

Today's Topics:

- RAMSEY PROBLEMS - HELP -
Frequency Counter Circuit Mod
peanut-sized tubes info pls.

Send Replies or notes for publication to: <Ham-Homebrew@UCSD.Edu>
Send subscription requests to: <Ham-Homebrew-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Homebrew Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-homebrew".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 20 Apr 94 03:43:21 GMT
From: dog.ee.lbl.gov!agate!cat.cis.Brown.EDU!noc.near.net!news.delphi.com!
usenet@uchvax.berkeley.edu
Subject: - RAMSEY PROBLEMS - HELP -
To: ham-homebrew@ucsd.edu

Do you folks know about our warranty? Its printed in the back of our manuals -
you have nothing to lose by sending the unit backto us for repair. There is no
charge for the repair if the kit has been assembled correctly. Go ahead, try us
we won't bite. Wha
t can we do to help??? Besides sitting next to you when troubleshooting - plane
fares are still a little too high! 73, John.

PS I'm always available via phone, I welcome all phone calls. I'm rarely on
this tube.

Date: Tue, 19 Apr 1994 11:54:41
From: library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!

news.intercon.com!panix!ddsw1!news.kei.com!hookup!news2.sprintlink.net!
news.sprintlink.net!sundog.tiac.net!@@ihnp4.ucsd.edu
Subject: Frequency Counter Circuit Mod
To: ham-homebrew@ucsd.edu

In article <".9-Apr-94..6:34:05.PDT".*.D.R._Shalita.ES_AE@Xerox.com>
David_Shalita.ES_AE@xerox.COM writes:
>From: David_Shalita.ES_AE@xerox.COM
>Subject: Frequency Counter Circuit Mod
>Date: 9 Apr 94 13:34:05 GMT

>Hi,
>I am repairing my old DSI 600 mhz counter (timebase died).

>I am looking for any info about how such a circuit is implemented
>in modern freq counters, what family of circuits are used to be
>usable at 600 mhz.
>
>Suspect some of the 100 series ECL IC's from Motorola, Philips
>or Sony may be usable at 600 mhz. Need suggestions where to get
>these at low cost in small quantities...just enough for this
>project.
>
>Thanks, Dave
>w6mik

A tough one!

Most frequency counters these days use proprietary chips. You can't get them easily; they're made just for the counter manufacturers.

There are some prescaler chips you can still get. Unfortunately, they're designed for division ratios like 64 or 256, which won't mesh well with your existing counter design. The 11C90, which was the popular /10 prescaler that was used in most of the 600MHz designs of the late 1970's through the 1980s, isn't made any more.

The counter article in the current edition of The Radio Amateur's Handbook goes into this, in the process of explaining why they're only offering a 60MHz counter design these days.

Date: 19 Apr 94 22:19:15 GMT
From: agate!netsys!pagesat.net!news.cerf.net!ihnp4.ucsd.edu!usc!math.ohio-state.edu!cyber2.cyberstore.ca!nntp.cs.ubc.ca!newsxfer.itd.umich.edu!news1.oakland.edu!cms.cc.wayne.edu!pgarabed@ucbvax
Subject: peanut-sized tubes info pls.

To: ham-homebrew@ucsd.edu

In article <CoD7H8.2I70@austin.ibm.com> sehneg@austin.ibm.com (Sehne) writes:

>From: sehneg@austin.ibm.com (Sehne)

>Subject: peanut-sized tubes info pls.

>Date: Sat, 16 Apr 1994 18:31:56 GMT

>Keywords: tubes homebrew

>I have come across some old subminiature tubes. They are 5 wire (yes, no pins
>actually wires!!) They look to be triode and I suspect they are from the era
>of the tube-type walkie talkies. They are direct drive filaments (no cathode)
>and I haven't the faintest on the specs (plate voltage, plate current, fil.etc)

>I suspect the filament is about 1.5v and plate maybe 22.5 or 45v. am I close?
>I don't think there were too many types perhaps someone would be kind enough
>to email me some info. They would make a fun QRP project. Thanks in advance,
>GARY. N2KTY

If I remember right. A lot of that miniature tube stuff was used in the military
communications gear. Good stuff... Don't know where you might find specs.

End of Ham-Homebrew Digest V94 #105
